



(2-92)
Sheet 1 of 1

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Document Number 20040351.DIB	Application Number 10/008,385
	Applicant Carol W. Readhead et al	
	Filing Date November 12, 2001	Group Art Unit 1632

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

		Nguyen et al, CANCER GENE THERAPY, Gene Delivery into Malignant Cells in-vivo by a Conjugated Adenovirus/DNA Complex, Vol. 4, No. 3, 1997, pp. 183-190

EXAMINER <i>Joan 16r</i>	DATE CONSIDERED 3/30/05
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FORM PTO-1449 (Modified) List of Patents and Publications for Applicants Information Disclosure Statement	ATTY DOCKET NO. 18810-81607	SERIAL NO. 10/008,385
	APPLICANT: Readhead et al.	
	FILING DATE: November 12, 2001	GROUP ART UNIT 1632

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
JH ↓		4 6 6 3 2 8 1	05/05/87	Gillies et al.			
		4 7 6 2 7 0 1	08/09/88	Horan et al.			
		4 8 7 0 0 0 9	09/26/89	Evans et al.			
		4 9 5 9 3 1 3	09/25/90	Taketo			
		4 9 7 8 3 3 2	12/18/90	Luck et al.			
		5 1 7 5 3 8 4	12/29/92	Krimpenfort et al.			
		5 2 0 6 1 4 3	04/27/93	Horan et al.			
		5 3 5 8 7 1 1	10/25/94	May et al.			
		5 3 7 5 6 0 6	12/27/94	Slezak et al.			
		5 4 2 2 2 6 6	06/06/95	Cormier et al.			
		5 4 3 0 0 5 7	07/04/95	Anderson et al.			
		5 4 3 4 3 4 0	07/18/95	Krimpenfort et al.			
		5 4 9 1 0 8 4	02/13/96	Chalfie et al.			
		5 5 2 1 2 9 1	05/28/96	Curiel et al.			

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							YES	NO
		WO 90/08192	07/26/90	EPO				
		WO 92/03459	03/05/92	PCT				
		WO 93/11228	06/10/93	PCT				
		WO 93/02041	01/19/95	PCT				
		EP 0 687 114 A1	09/30/98	EPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

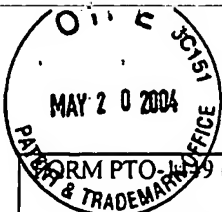
JH ↓	1.	Avarbock, Mary R., et al., Reconstitution of spermatogenesis from frozen spermatogonial stem cells, <u>Nature Medicine</u> , Vol. 2, No. 6, pp. 693-696, (June, 1996).
	2.	Baranov, V. S., et al., <i>The possibility of the incorporation of macromolecules, including exogenous DNA, into the germ cells of male mice. The liposome method and Ca-P coprecipitation method</i> , <u>Tsitol Genet</u> , Vol.24.No.2,pp. 52-55 (Mar 1990). ABSTRACT ONLY

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DATE CONSIDERED 3/30/05

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FORM PTO-159 (Modified) List of Patents and Publications for Applicants Information Disclosure Statement	ATTY DOCKET NO. 18810-81607	SERIAL NO. 10/008,385
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gh	5 5 3 2 1 4 3	07/02/96	Grosveld et al.			
	5 5 4 7 9 3 2	08/20/96	Curiel et al.			
	5 5 4 3 2 9 1	08/06/96	Keyomarsi et al.			
	5 5 5 6 9 5 4	09/17/96	Burn et al.			
	5 5 5 9 1 4 8	09/24/96	Anderson et al.			
	5 5 9 1 6 2 5	01/07/97	Gerson et al.			
	5 5 9 1 6 6 9	01/07/97	Krimpenfort et al.			
	5 6 1 0 0 5 3	03/11/97	Chung et al.			
	5 6 2 5 0 4 8	04/29/97	Tsien et al.			
	5 6 3 9 6 1 8	06/17/97	Gay			
	5 6 4 3 7 4 1	07/01/97	Tsukamoto et al.			
	5 6 5 0 1 3 5	07/22/97	Contag et al.			
	5 6 6 5 5 5 7	09/09/97	Murray et al.			
	5 6 7 0 3 7 2	09/23/97	Hogan			
	5 7 5 0 3 7 6	05/12/98	Weiss et al.			
	5 7 6 7 2 5 8	06/16/98	Sidransky			
	5 7 7 7 0 7 9	07/07/98	Tsien et al.			
	5 8 2 1 2 3 4	10/13/98	Dzau			
✓	5 8 4 0 4 7 8	11/24/98	Patterson et al.			

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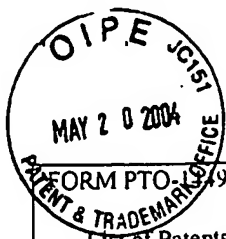
gh	3.	Birnstiel, Max L. et al., <i>Dangerous Liaisons: Spermatozoa as Natural Vectors for Foreign DNA?</i> , Cell, Vol. 57, pp. 701-702. (1989).
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	Translato YES	N

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JH	4.	Blanchard, K. T. et al., <i>Adenovirus-mediated gene transfer to rat testis in vivo</i> , Biol Reprod (1997 Feb); 56(2):495-500	✓
	5.	Brinster, Ralph L., et al., <i>No Simple Solution for Making Transgenic Mice</i> , Cell, Vol. 59, pp. 239-241, Oct 20, 1989	✓
	6.	Brinster, Ralph L. et al., Avarbock, <i>Germline transmission of donor haplotype following spermatogonial transplantation</i> , Proc. Natl. Acad. Sci. USA, Vol. 91 pp. 22303-22307, (Nov. 1994) Developmental Biology.	✓
	7.	Brinster, Ralph L. et al., <i>Spermatogenesis following male germ-cell transplantation</i> , Proc. Natl. Acad. Sci. USA, Vol. 91, pp. 11298-11302, (Nov. 1994), Developmental Biology.	✓
	8.	Chen, Shu-Hsia et al., <i>Gene therapy for brain tumors: Regression of experimental gliomas by adenovirus-mediated gene transfer in vivo</i> , Proc. Natl. Acad. Sci. USA, Vol. 91, pp. 3054-3057, April 1994	✓
	9.	Chung, J. H. et al., <i>A 5' element of the chicken beta-globin domain serves as an insulator in human erythroid cells and protects against position effect in Drosophila</i> , Cell, 74(3):505-14, Aug 13, 1993, ABSTRACT ONLY	✓
	10.	Chung, J. H. et al., <i>Characterization of the chicken beta-globin insulator</i> , Proc. Natl. Acad. Sci. USA, 94(2):575-80, January 21, 1997, ABSTRACT ONLY	✓
	11.	Clouthier, D. E. et al., <i>Rat spermatogenesis in mouse testis</i> , Nature, 381 (6581): 418-421 (May 30, 1996).	✓
	12.	Curiel D. T., et al. <i>Adenovirus enhancement of transferrin-polylysine-mediated gene delivery</i> , Proc. Natl. Acad. Sci. USA, 88:8850-54 (Oct. 1991).	✓

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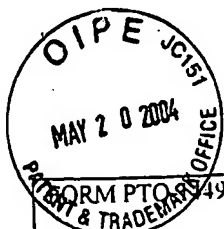
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JH	13.	Desdouets, C. et al., <i>Cyclin A: function and expression during cell proliferation</i> , <i>Prog Cell Cycle Res</i> , 1:115-23, 1995, ABSTRACT ONLY
	14.	Graberek & Gergely, <i>Zero-length cross-linking procedure with the use of active esters</i> , <i>Analyt. Biochem</i> 185: 131-135 (1990).
	15.	Hagstrom, K., et al., <i>Fab-7 functions as a chromatin domain boundary to ensure proper segment specification by the Drosophila bithorax complex</i> , <i>Genes Dev</i> , 10(24):3202-15, Dec 15, 1996, ABSTRACT ONLY
	16.	Horiguchi-Yamada, J., et al., <i>Changes of G1 cyclins, edk2, and cyclin A during the differentiation of HL60 cells induced by TPA</i> , <i>Mol Cell Biochem</i> , 132(1):31-7, Mar 16, 1994, ABSTRACT ONLY
	17.	Hovatta, Outi, et al., <i>Cryopreservation of human ovarian tissue using dimethylsulphoxide and propanediol-sucrose as cryoprotectants</i> , <i>Human Reproduction</i> , Vol. 11, No. 6, pp. 1268-1272, (1996).
	18.	Hovatta, Outi, et al., <i>Pregnancy resulting from intracytoplasmic injection of spermatozoa from a frozen-thawed testicular biopsy specimen</i> , <i>Human Reproduction</i> , Vol. 11, No. 11, pp. 2472-2473, (1996).
↓	19.	Jiang, F-X et al., <i>Male germ cell transplantation in rats: apparent synchronization of spermatogenesis between host and donor seminiferous epithelia</i> , <i>International Journal of Andrology</i> , vol. 18, pp. 326-330 (1995)

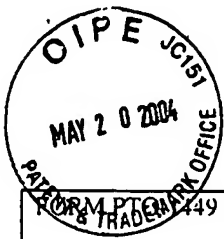
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9H	20.	Jiang, Fang-Xu et al., <i>Different fate of primordial germ cells and gonocytes following transplantation</i> , APMIS, Vol. 106, p. 58-63, (1998).	✓
	21.	Johnson L. et al., <i>Heterotopic transplantation as a model to study the regulation of spermatogenesis: some histomorphological considerations about sperm decline in man</i> ; <i>Contracept Fertil Sex</i> 1997 Vol. 25(7-8), pp. 549-555. (1997)	✓
	22.	Jones and Shenk , <i>An adenovirus type 5 early gene function regulates expression of other early viral genes</i> . <i>Proc. Natl. Acad. Sci. USA</i> , 76:(8)3665-3669 (1979)	✓
	23.	Kang, M. J. et al., <i>Cyclins and cyclin dependent kinases during cardiac development</i> , <i>Mol Cells</i> , 7(3):360-6, (June 30, 1997) ABSTRACT ONLY	✓
	24.	Kim, Jin-Hoi et al., <i>Development of a Positive method for Male stem Cell-Mediated Gene Transfer in Mouse and Pig</i> , <i>Molecular Reproduction and Development</i> , Vol. 48, No. 4, pp. 515-528, (1997)	✓
	25.	Kim, V. Narry et al., <i>Minimal requirement for a Lentivirus Vector Based on Human Immunodeficiency Virus Type 1</i> , <i>Journal of Virology</i> , pp. 811-816. (Jan. 1998)	✓
↓	26.	Langer, Robert S. et al., <i>Tissue Engineering: The obstacles to building new organs from cells and synthetic polymers are daunting but surmountable</i> <i>The Challenges Ahead</i> , <i>Scientific American</i> , pp. 86-89, April 1999	✓

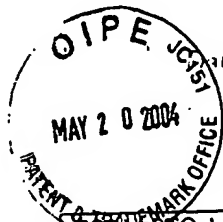
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gt	27.	Lavitrano, Mariauisa et al., <i>Sperm Cells as Vectors for Introducing foreign DNA</i> ✓
		<i>Into Eggs: Genetic Transformation of Mice</i> , Cell, Vol. 57, pp. 717-723, (6/2/89)
	28.	Mittereder et al., <i>Evaluation of the concentration and bioactivity of adenovirus</i> ✓
		<i>vectors for gene therapy</i> , J. Virology, 70: 7498-7509 (1998)
	29.	Müller, C. et al., <i>Cell cycle regulated transcription of the promoter of the human cyclin A1 gene</i> , Blood, Journal of the American Society of Hematology, ✓
		Vol. 90, No. 10, Suppl 1 (Part 1 of 2) Nov 15, 1997 ABSTRACT 1404
	30.	Müller, C. et al., <i>Cyclin A1 promoter is trans-activated by the c-myc proto-onco</i> ✓
		<i>gene</i> , Proc. of the Amer. Assoc. for Cancer Res, Vol. 39, Mar/Apr 1998 ABSTRACT 1742
	31.	Müller, C. et al., <i>SP1 Family Members Regulate Expression of the Tissue Specific Human Cyclin A1 Gene</i> , Blood Journal of the American society of Hematology, ✓
		Americ. Soc. Of Hemat. 40th Annual Meeting, Dec 4-8, 1998 ABSTRACT 1534
	32.	Müller, Carsten et al., <i>Cloning of the cyclin A1 Genomic Structure and Characterization of the Promoter Region</i> , The Journal of Biological Chemistry, ✓
		Vol. 276, No. 16, pp. 11220-11228, Apr 16, 1998
	33.	Muramatsu T. et al., <i>Foreign gene expression in the mouse testis by localized</i> ✓
		<i>in vivo gene transfer</i> , Biochem Biophys Res commun, 7:233(1):45-49 (Apr 1997)
✓	34.	Nagano, M. et al., <i>Spermatogonial transplantation and reconstitution of donor</i> ✓
		<i>cell spermatogenesis in recipient mice</i> , APMIS, 106, PP. 47-55, (1998)

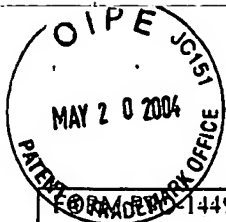
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					YES	N

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35.	Naito M, et al., <i>Production of germline chimeric chickens, with high transmission rate of donor-derived gametes, produced by transfer of</i>	✓
	<i>primordial germ cells. Molecular Reprod Dev.</i> 39(2):153-161 (Oct. 1994).	
36.	Naito M, et al., <i>Donor primordial germ cell-derived offspring from recipient germline chimeric chickens: absence of long-term immune rejection</i>	✓
	<i>and effects on sex ratios. Br Poult Sci.</i> 39(1):20-23 (Mar. 1998).	
37.	Naldini, Luigi et al., <i>In Vivo Gene Delivery and Stable Transduction of Nondividing Cells by a Lentiviral Vector. Science</i> , Vol. 272, pp. 263-69	✓
	April 12, 1996	
38.	Ogawa, Takehiko et al., <i>Transplantation of testis germinal cells into mouse</i>	✓
	<i>seminiferous tubules. Int. J. Dev. Biol.</i> 41:222-122 (1997).	
39.	Ono T. et al., <i>Transfer of male or female primordial germ cells</i>	✓
	<i>of quail into chick embryonic gonads. Exp Anim.</i> 45(4):347-352 (Oct. 1996).	
40.	Paterlini, P. et al., <i>Cylin A expression in human hematological malignancies: a</i>	✓
	<i>new marker of cell proliferation. Cancer Res.</i> 53(2):235-8. (Jan 15, 1993) ABSTRACT ONLY	
41.	Pedersen, Roger A., <i>Cells for Medicine. Embryonic Stem Cells for Medicine.</i>	✓
	<i>Scientific American</i> , pp. 68-73 (April 1999).	
42.	Perez-Cruet, M. J., et al., <i>Adenovirus-Mediated Gene Therapy of Experimental</i>	✓
	<i>gliomas. Journal of Neuroscience Research</i> , Vol. 39, pp 506-511 (1994).	
	<i>meiotic cell cycles. Dev. Biol.</i> 10:173(1):69-78. (Jan 10, 1996).	

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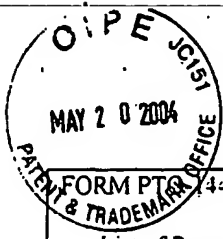
9H	43.	Pikaart, Michael J., <i>Loss of transcriptional activity of a transgene is accompanied by DNA methylation and histone deacetylation and is prevented by insulators</i> , <i>Genes & Development</i> , 12:2852-2862. (1998).	✓
	44.	Ravnik, S. E. et al., <i>The developmentally restricted pattern of expression in the male germ line of a murine cyclin A, cyclin A2, suggests roles in both mitotic and meiotic cell cycles</i> , <i>Dev. Biol.</i> , 10:173(1):69-78. (Jan 10, 1996). ABSTRACT ONLY	✓
	45.	Ravnik, S. E. et al., <i>Regulation of meiosis during mammalian spermatogenesis: the A-type cyclins and their associated cyclin-dependent kinases are differentially expressed in the germ-cell lineage</i> , <i>Dev Bio</i> , 207(2):408-18 (Mar 15, 1999). ABSTRACT ONLY	✓
	46.	Russell, L.D. et al., <i>Ultrastructural observations of spermatogenesis in mice resulting from transplantatin of mouse spermatogonia</i> , <i>J. Androl.</i> , 17(6):603-614 (Nov. 1996).	✓
	47.	Schmidt, Jerzy A. et al., <i>Control of Erythroid differentiation. Possible Role of the Transferrin cycle</i> , <i>Cell</i> , Vol. 46, 41-51 (Jul 4, 1986).	✓
	48.	Schiedner, Gudrun, <i>Genomic DNA transfer with a high-capacity adenovirus vector results in improved in vivo gene expression and decreased toxicity</i> , <i>Nature Genetics</i> , Vol. 18, pp. 180-183 (Feb 1998).	✓
	49.	Sweeney, Claire et al., <i>A distinct cyclin A is expressed in germ cells in the mouse</i> , <i>Development</i> , Vol. 122, pp. 53-64 (1996).	✓
	50.	Wagner, Ernst, <i>Transferrin-polycation conjugates as carriers for DNA uptake into cells</i> , <i>Proc. Natl. Acad. Sci. USA</i> , Vol 87, pp. 3430-3414 (May 1990).	✓

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FORM PTO 449 (Modified)

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JH	51.	Wolffe, A. P., <i>Packaging principle: how DNA methylation and histone acetylation control the transcriptional activity of chromatin</i> , J. Exp Zool, 282(1-2):239-44 (Sep-Oct 1998). ABSTRACT ONLY ✓
	52.	Yang, Rong et al., <i>Characterization of a Second Human Cyclin A That is Highly Expressed in Testis and in Several Leukemic Cell Lines</i> , Cancer Research, 57, pp. 913-920 (March 1, 1997). ✓
	53.	PCT International Search Report re PCT/US98/24238, International Filing Date: 13/11/1998, Priority Date: 14/11/1997. ✓
	54.	XP-002099974, J09220039, "Introducing Extraneous Gene Sperm Ovum Produce Transgenic Animal Comprise Introducing Extraneous Gene Liposome Complex Through Testicular Ovary Artery Sperm Testicular Ovum Ovary", Abstract Only. ✓
	55.	Bucci, L. R. et al., <i>Effects of busulfan on murine spermatogenesis: cytotoxicity, sterility, sperm abnormalities, and dominant lethal mutations</i> , Research, Vol. 176, pp. 259-268, (1987). ✓
	56.	Kormano, M. et al., <i>In vitro contractility of rat seminiferous tubules following 400 R whole-body X-irradiation</i> , Strahlentherapie Vol. 144, No. 6, pp. 713-718 (1972). ✓
	57.	Oakberg, E. F., <i>Effects of radiation on the testis</i> , Handbook of Physiology, Endocrinology V, pp. 233-243 (date unknown) ✓
	58.	Pont, Jorg et al., <i>Fertility after chemotherapy for testicular germ cell cancer</i> , Fertility and Sterility, Vol. 68, No. 1, pp. 1-5, (July 1997). ✓
↓	59.	Boujrad, N. et al., <i>Evolution of somatic and germ cell populations after busulfan treatment in utero or neonatal cryptorchidism in the rat</i> , Andrologia, 27(4):223-8 (Jul-Aug 1995). ABSTRACT ONLY ✓

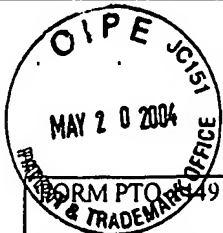
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FORM PTO-49 (Modified) List of Patents and Publications for Applicants Information Disclosure Statement	ATTY DOCKET NO.	SERIAL NO.
	18810-81607	10/008,385
	APPLICANT: Readhead et al.	
	FILING DATE:	GROUP ART UNIT
	November 12, 2001	1632

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

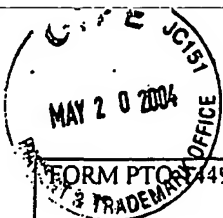
60.	Hasegawa, M., <i>Resistance of differentiating spermatogonia to radiation-induced apoptosis and loss in p53-deficient mice</i> , Radiat Res, 149(3):263-70, (Mar 1998). ABSTRACT ONLY
61.	Hopkinson, C. R., <i>The effect of local testicular irradiation on testicular histology and plasma hormone levels in the male rat</i> , Acta Endocrinol (Copenh), 87(2):413-23 (Feb 1998). ABSTRACT ONLY.
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FORM PTO 449 (Modified) List of Patents and Publications for Applicants Information Disclosure Statement	ATTY DOCKET NO. 18810-81607	SERIAL NO. 10/008,385
	APPLICANT: Readhead et al.	
	FILING DATE: November 12, 2001	GROUP ART UNIT 1632

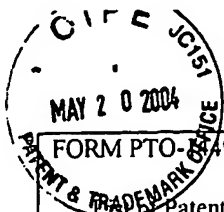
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FORM PTO-849 (Modified) Patents and Publications for Applicants Information Disclosure Statement	ATTY DOCKET NO. 18810-81607	SERIAL NO. 10/008,385
	APPLICANT: Readhead et al.	
	FILING DATE: November 12, 2001	GROUP ART UNIT 1632

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8H	6,215,039 B1	04/10/2001	Brinster, Ralph L.			
	5,858,354	01/12/1999	Brinster			
	4,736,866	04//12/1988	Leder			
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	6,271,436 B1	08/07/2001	Piedrahita et al.			

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8H	WO 99/25863 A1	05/27/1999	PCT				
	WO 99/40213 A1	08/12/1999	PCT				
	WO 00/29601 A1	05/25/2000	PCT				
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	WO 99/38991	08/05/1999	PCT			X	

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8H	80.	XP-000942592, Chang, Kyu-Tae et al., <i>Production of Transgenic Rats and Mice by the Testis-Mediated Gene Transfer</i> , <u>Journal of Reproduction and Development</u> , Vol. 45, No. 1, pp. 29-36 (1999).
	81.	Sato, M. et al., <i>Direct Injection of Foreign DNA into Mouse Testis As A Possible Alternative of sperm-Mediated Gene Transfer</i> , <u>Animal Biotechnology</u> , Vol. 5, No. 1, pp. 19-31 (1994).
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